

**Table C-72. Federal obligations for applied research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 2001, 2002, and 2003**

[Dollars in thousands]

Field of science and engineering	2001	Preliminary	
		2002	2003
Total, all fields .....	6,394,679	7,096,307	7,749,268
Life sciences, total .....	4,844,850	5,446,833	6,041,454
Biological (excluding environmental) .....	3,873,546	NA	NA
Environmental biology .....	79,917	NA	NA
Agricultural .....	153,109	NA	NA
Medical .....	609,042	NA	NA
Life sciences, n.e.c. ....	129,236	NA	NA
Psychology, total .....	182,704	209,061	240,469
Biological aspects .....	920	NA	NA
Social aspects .....	933	NA	NA
Psychological sciences, n.e.c. ....	180,851	NA	NA
Physical sciences, total .....	246,804	264,076	271,993
Astronomy .....	108,388	NA	NA
Chemistry .....	77,493	NA	NA
Physics .....	14,313	NA	NA
Physical sciences, n.e.c. ....	46,610	NA	NA
Environmental sciences, total .....	175,465	191,166	191,693
Atmospheric .....	16,223	NA	NA
Geological .....	7,456	NA	NA
Oceanography .....	13,800	NA	NA
Environmental sciences, n.e.c. ....	137,986	NA	NA
Mathematics & computer sciences, total .....	246,516	243,766	267,364
Mathematics .....	22,176	NA	NA
Computer sciences .....	218,894	NA	NA
Mathematics & computer sciences, n.e.c. ....	5,446	NA	NA
Engineering, total .....	440,732	459,385	435,776
Aeronautical .....	34,303	NA	NA
Astronautical .....	19,223	NA	NA
Chemical .....	24,736	NA	NA
Civil .....	14,147	NA	NA
Electrical .....	57,443	NA	NA
Mechanical .....	8,012	NA	NA
Metallurgy & materials .....	73,388	NA	NA
Engineering, n.e.c. ....	209,480	NA	NA
Social sciences, total .....	134,455	134,387	134,475
Anthropology .....	675	NA	NA
Economics .....	48,524	NA	NA
Political science .....	697	NA	NA
Sociology .....	9,630	NA	NA
Social sciences, n.e.c. ....	74,929	NA	NA
Other sciences, n.e.c. ....	123,153	147,633	166,044

**KEY:** NA = Not available (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)  
n.e.c. = Not elsewhere classified

**NOTES:** Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 94 percent of total Federal applied research obligations to universities and colleges in fiscal years 2001, 2002, and 2003.

Data for only those agencies that had obligations in the variables represented by this table appear in the table.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003